

REMARKS

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Applicant wishes to thank the Examiner for the notice that Claims 21 and 26 have been allowed and that Claims 9-14 would be allowable if written in independent form.

Claims 1, 3, 4 and 6-8 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Portin in view of Heinonen et al. and further in view of Gardner (U.S. Patent No. 6,466,803). The office action admits that neither Portin nor Heinonen disclose the claimed synthesizer that receives the first and second VCO output frequency signals, wherein the same synthesizer is also operative to provide the transmitter input signal to the first and second VCOs, but cites Column 4 Lines 47-49 and also cites in the “response argument section” Column 5 Lines 12-19 as allegedly teaching the subject matter that is not taught or suggested in Portin or Heinonen. However, applicants respectfully submit that it appears that the claim language is being misapprehended. As noted above, the claim requires that the transmitter input signal is provided by the synthesizer to both the first and second VCOs. The synthesizer also receives the first and second VCO output frequency signals. As taught in the Gardner reference, the alleged synthesizer (Element Nos. 52 and 64) in fact, do not provide the transmitter input signal to the VCOs as required in the claim. The office action alleges that it does so “via Elements 56, 1, and 2, in Figure 2” (Page 4 of final action). However, as noted in the cited portion, the elements 56, 1 and 2 are not part of the alleged 52 and 64. The claim requires that the synthesizer provides the transmitter input signal to the first and second VCOs. As such, since the office action states that the Elements 52 and 64 correspond to the claim synthesizer, it is these elements that must operate as the claim requires in order for the claim to be unpatentable. However, these elements do not provide the transmitter input signal to first and second VCOs. (See for example applicants’ specification

Fig. 7). In addition, the office action does not identify which signal in Gardner corresponds to the claimed “transmitter input signal.” In fact, it appears that the office action does not properly address the claim language since it uses different claim language namely, “transmitter input signals” in an attempt to render applicants’ claims unpatentable. Applicants respectfully submit that this is improper.

If the rejection is maintained, applicants respectfully request a non-final action and a showing as to what signal in Gardner is the claimed transmitter input signal that comes from the combination of Elements 52 and 64, since these are the elements alleged to teach the claim synthesizer. Since the cited reference does not teach what is alleged, applicants respectfully submitted that claims are in condition for allowance.

The dependant claims add additional novel and non obvious subject matter.

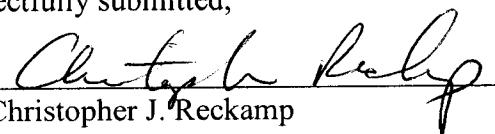
Claim 15 stands rejected under 35 USC §103(a) as being unpatentable over Portin in view of Gardner. Applicant respectfully reasserts the relevant remarks made above and in such this claim is also believed to be in condition for allowance.

Claim 16 and 17 stand rejected under 35 USC §103(a) as being unpatentable over Portin and Gardner further in view of Heinonen. Applicant respectfully reasserts the relevant remarks made above with respect to Claim 15 and in such these claims are also believed to be in condition for allowance.

Applicants respectfully submit that the claims are in condition for allowance and respectfully request that a timely Notice of Allowance be issued in this case. The Examiner is invited to contact the below listed attorney if the Examiner believes that a telephone conference will advance the prosecution of this application.

Dated: 7-31-06

Respectfully submitted,

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